

NIMC Web

Agenda

Part I. Understand web server architecture, proprietary considerations, plug-in and peripheral software issues, and web-browser issues

Part II. Understand the WWW, SBU/OSIS, SCEN/SIPRnet/ and Aqua/JWICS domains

Part III. Receive a preview of our NIMC-sponsored web sites (NIMC, TD, TRMB, etc.) - history, design considerations, features, future initiatives

Part IV. Receive an introduction of the NIMC web database & discuss the Items of Information (IOI) database and demonstrate its use



NIMC Web Site Goals

- Allow *seamless access* of NIMC information to NIMA, DoD and Other Government Agencies.
- Provide *timely, accurate and relevant information* to our web site users
- Follow NIMA guidance regarding web-based media
- Retain *common look & feel*
- Retain design and functional aspects of NIMC web site *across each domain (world-wide web, NIMA intranets, intelink, etc.)*



Web Committee Goals

(at the beginning)

- Introduce/meet with members.
- Educate members on:
 - *Web development basics.*
 - *NIMA policy regarding web media.*
 - *Current web site configuration and functionality.*
 - *Procedures.*
 - *Conduct "tech sessions" to broaden skills.*
- Establish working group objectives (these will help refine *future* goals).



NIMC Web - Part I

An Overview

*Dealing with today's limitations - thinking about
tomorrow's possibilities...*

NIMA Web Server Family

- **UNIX**

□ Prolific - widely available across the NIMA web community.

- **Windows**

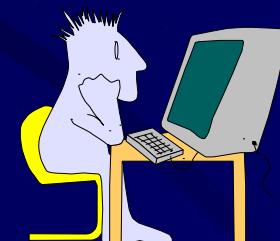
□ Available with special request - not yet widely supported across all domains.

*Current emphasis is to develop based on the **UNIX** environment*

- *Consistent environment*
- *Less-complicated maintenance*
- *Easier to gauge server responses*

7-Feb-2001

NIMC Web Planning



Proprietary Concerns

(server-side)

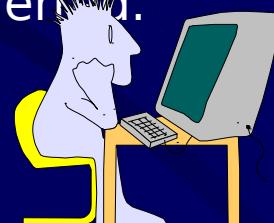
- UNIX
 - *No proprietary technology used*
 - *Supports common scripts (PERL, etc) and Java*

BOTTOM LINE...

To ensure seamless support across all NIMA web domains, a technology base that is non-proprietary is most preferred.

- Windows
 - *Supports Active Server Page (ASP)*
 - *Supports common scripts (PERL, etc.)*

• *ASP non-availability on other domains requires alternate means to post information.*
• *multi-development strategies can be time consuming and difficult to manage*



Proprietary Concerns

(Client-Side)

Web Browsers

- Netscape
 - *Available on all NIMA workstations (UNIX and MS Windows, Mac)*
 - *Agency Standard (version 4.7)*
 - *Requires proxy settings for smooth WWW connectivity*
- MSIE
 - *Available on most NIMA workstations (MS Windows only)*
 - *Requires proxy settings for smooth WWW connectivity*



Multiple operating systems dictate which browser to base development on.

Agency's browser preference also influences use of technology.

Proprietary Concerns

(Client-Side)

Web Browsers

- Netscape



- MSIE

• *Different behaviors, features, capabilities*

Standard practice is to test against both major web browsers...

The rule is - if it "works" in both, then it's **OK** to use within web products.



Using "Plugins"

What Plugins do...

- Plugins provide ***enhanced functionality*** to web browsers.
- Plugins are ***sometimes included*** within web browser's software.
- Plugins can be ***downloaded and installed*** via internet connections



What the risks are...

- If plugins are ***not installed***, functionality ***does not work***.
- ***Sys admin may remove plugins*** from web browser's plugin folder after install.
- Downloading and installation ***may not be a user option*** based on sys admin settings.

Using "Plugins"

Common Plugins...

- PDF Viewer (Adobe Acrobat Reader ©)
 - *Provides in-browser viewing of portable Document Format documents (i.e., NIMA Edge)*

Acrobat Reader is *usually* installed on all NIMA workstations...

...Plugins are not all-the-time configured to produce "in-browser" utility.

If not configured for in-browser use, then Acrobat Reader launches *independently*.



Using "Plugins"

Common Plugins...

- Macromedia Flash
 - *Provides animation and eye-catching enhancements to web pages.*
 - *Navigational elements allow smooth transitions to related information.*

If plugin is not installed, embedded Flash elements will be invisible, appear as "broken" to the user, or cause error prompts to appear.



Using "Plugins"

Related to plugins
are..Web players

- *Real Player/MS Media player/Quicktime - provides audio and video across internet connection*
- *Macromedia Web player - provides*

in **All of these players:**

- b*
- rely on **proprietary** standards,
 - are **not always supported** on varying platforms (UNIX, Windows, or Mac),
 - are sometimes **cumbersome to download** (very large byte-rate) and **difficult to install** on client workstations.



Bottom Line

- **Identify** what your web server can and can't do.
- **Identify** your **prime** web site audience; know what they will use to view your information (workstation profile, web browser and associated software (*plugins & web players*))
- **Plan** for the distribution of required plugins, etc., - accept the risks if some can not obtain.
- **Tailor** your web-media to meet both web-server and web-audience requirements.
- **Reuse & share** data & technology (when feasible) among various web environments.

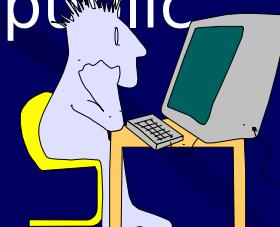
NIMC Web - Part II

NIMC Web sites

NIMC hosts information on three primary domains

SBU - SIPRnet - JWICS

1. NIMA SBU (sensitive but unclassified) and OSIS (open source information system)
 - information is unclassified - FOUO
 - NIMA SBU is a local area network (LAN) that allows users to view into OSIS intranet and wide-world web internet
 - OSIS is a carrier for open source intelligence information, conveyed via intranet - not accessible to the public



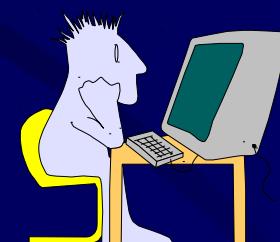
NIMC Web sites

NIMC hosts information on three primary domains

SBU - **SIPRnet** - JWICS

2. SIPRnet

- Information can be classified up to secret collateral.
- Users must be on NIMA SCEN or SIPRnet workstation to view information.



NIMC Web sites

NIMC hosts information on three primary domains

SBU - SIPRnet - **JWICS**

3. JWICS

- Information can be classified up to top secret - SCI.
- Users must be on NIMA Aqua or JWICS workstation to view information.



What about world-wide web?

- NIMC does not currently have a WWW site.
- NIMA Public Affairs Office reviewed NIMC information in March 2000 and determined it to be "FOUO."

**If you want to host your information on
WWW,**

- Review NI 5720.1R3 "NIMA Instruction for Clearance for Public Release"
- Review and approval by NIMA Public Affairs Office is required "...even if access ... is restricted by use of blind URLs, passwords, and/or domain restrictions."



Classified Domain Issues

- SIPRnet vs NIMA SCEN
 - *Both have their own web servers*
 - *To host on SIPRnet means that your information is normally accessible to NIMA, DoD organizations, and other government agencies (NSA, DIA, FBI, etc.) with classified access up to secret.*
 - *To host on NIMA SCEN means that your information is normally available to NIMA only.*



Remember - NIMA SCEN users can view into SIPRnet.

Classified Domain Issues

- JWICS vs NIMA Aqua
 - *Both have their own web servers*
 - *To host on JWICS means that your information is normally accessible to NIMA, DoD organizations, and other government agencies (NSA, DIA, FBI, etc.) with classified access up to TS-SCI*
 - *To host on NIMA Aqua means that your information is normally available to NIMA only.*



Remember - NIMA Aqua users can view into JWICS.

Know your intended audience!

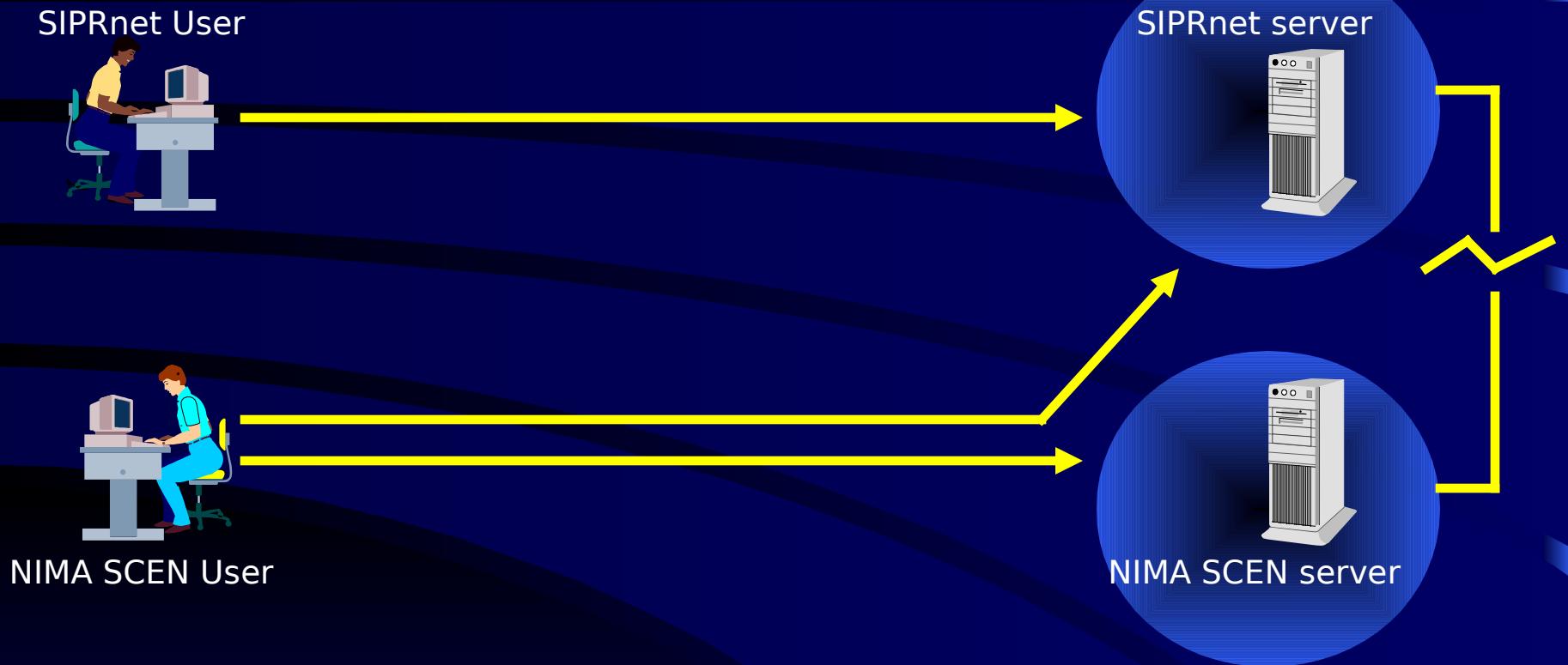
Pertaining to our classified domains...

If only NIMA needs to view your information:

- *host web pages on NIMA SCEN or Aqua*
- If outside agencies need to view your information:
 - *host on SIPRnet and/or JWICS*



Keep in mind...



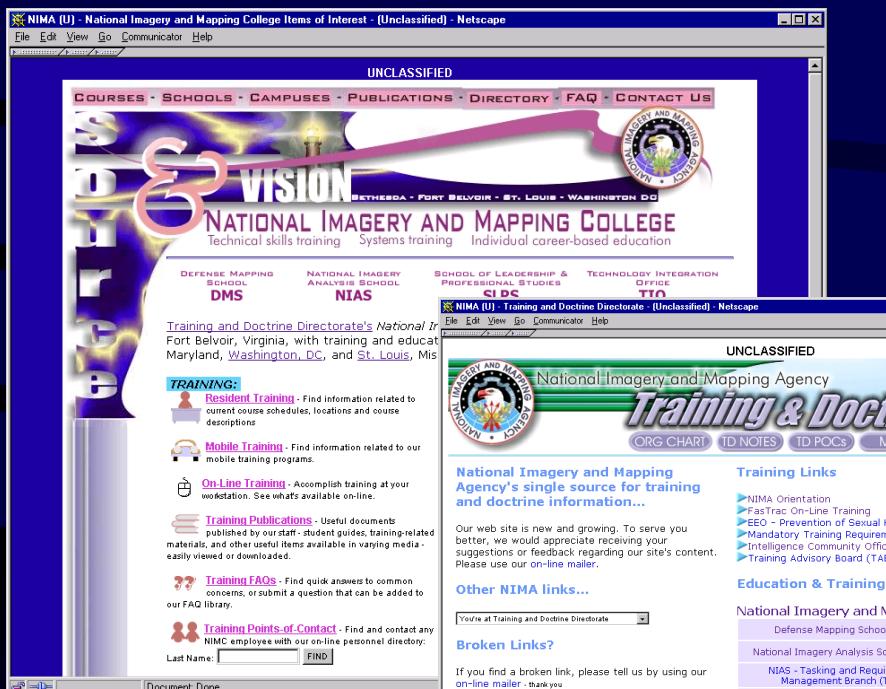
Same applies for NIMA Aqua vs JWICS users

Bottom Line - Part II

- Ensure customer access - host web media where **most** can view and use.
 - *NIMA SCEN can look into SIPRnet; not vice-versa.*
 - *NIMA Aqua can look into JWICS; not vice-versa.*
- Ensure information is reviewed by NIMA Public Affairs Office **prior** to hosting on public web site (WWW)

NIMC Web - Part III

Preview of NIMC Web Sites



NIMA (U) - National Imagery and Mapping College Items of Interest - (Unclassified) - Netscape

File Edit View Go Communicator Help

UNCLASSIFIED

NATIONAL IMAGERY AND MAPPING COLLEGE
Technical skills training Systems training Individual career-based education

DEFENSE MAPPING SCHOOL DMS NATIONAL IMAGERY ANALYSIS SCHOOL NIAS SCHOOL OF LEADERSHIP & PROFESSIONAL STUDIES SLP TECHNOLOGY INTEGRATION OFFICE TIO

NIMA (U) - Training and Doctrine Directorate - (Unclassified) - Netscape

File Edit View Go Communicator Help

UNCLASSIFIED

NATIONAL IMAGERY AND MAPPING Agency

Training & Doctrine

ORG CHART TD NOTES TD POCS MAIL

National Imagery and Mapping Agency's single source for training and doctrine information...

Training Links

- NIMA Orientation
- Fastrac On-line Training
- EEO - Prevention of Sexual Harassment on-line training
- Mandatory Training Requirements
- Intelligence Community Officer (ICO) Training
- Training Advisory Board (TAB)

Education & Training Organizations

National Imagery and Mapping College

Defense Mapping School (DMS)	Home Page	Course Catalog
National Imagery Analysis School (NIAS)	Home Page	Course Catalog
NIAS - Tasking and Requirements Management Branch (TRMB)	Home Page	Course Catalog
School for Leadership and Professional Studies (SLPS)	Home Page	Course Catalog
Technology Integration Office (TIO)	Home Page	Course Catalog

POC for this website is Mike Ferini, ferini@nima.mil, commercial phone: (202) 264-4283 (DSN 264)

NIMA • NIMA College

HTML template updated on 11-Jan-2002

UNCLASSIFIED

Document: Done

NIMA College



NIMA (U) - Tasking and Requirements Management Branch - (Unclassified) - Netscape

File Edit View Go Communicator Help

UNCLASSIFIED

IMAGERY COLLECTION STRATEGY NOMINATIONS RESEARCH REQUIREMENTS MANAGEMENT RMS

Washington Navy Yard - Bldg 213 - Comm:(202) 264-5952 - secure: 926-0396

TRMB

Tasking & Requirements Management Branch

Serving the Joint Community of Imagery Analysts, Providing Training in Imagery Collection Disciplines

The Tasking and Requirements Management Branch (TRMB) trains students in disciplines related to imagery collection. Courses include training in developing requirements to task our nation's imagery reconnaissance systems, sensor capabilities and optimum collection strategies, and imagery collection.

Departments

General Information

Courses

On-Line Training

Student Handouts

Our Sponsors...

National Imagery & Mapping Agency NIMA

National Imagery & Mapping College NIMO

National Imagery & Analysis School NIAS

Mobile Training

STAR

citoc

Command Instructors

Site to Mike Ferini, ferini@nima.mil, comm - 202-264-4283 (DSN 264). Please send any comments or suggestions for site using our on-line maller.

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NIAS - Tasking & Requirements Management Branch

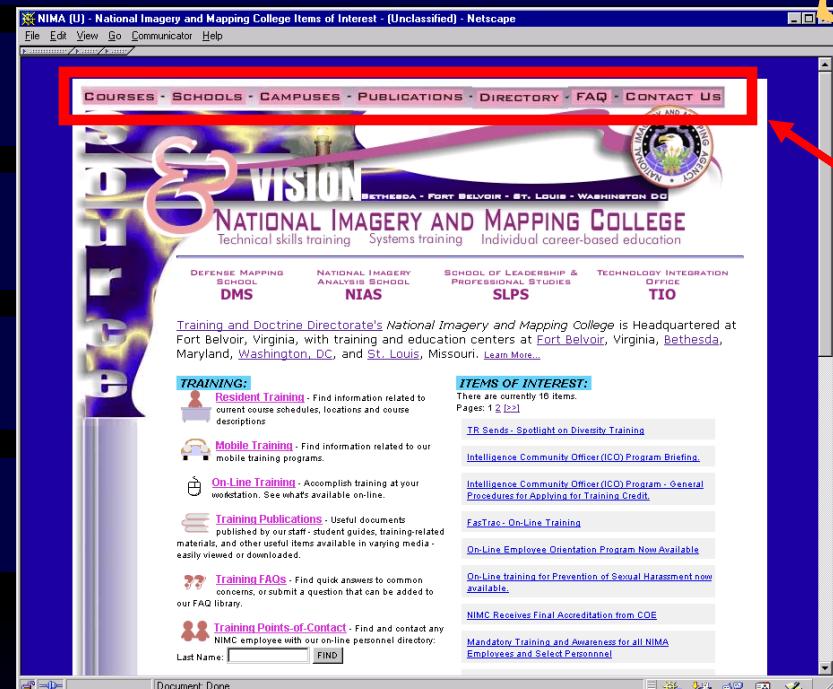
NIMA Training & Doctrine Directorate

7-Feb-2001

NIMC Web Planning

Preview of NIMC Web Sites

NIMA College (NIMC)
Top menu - provides navigation to site's main features



7-Feb-
2001

NIMC Web
Planning

Preview of NIMC Web Sites

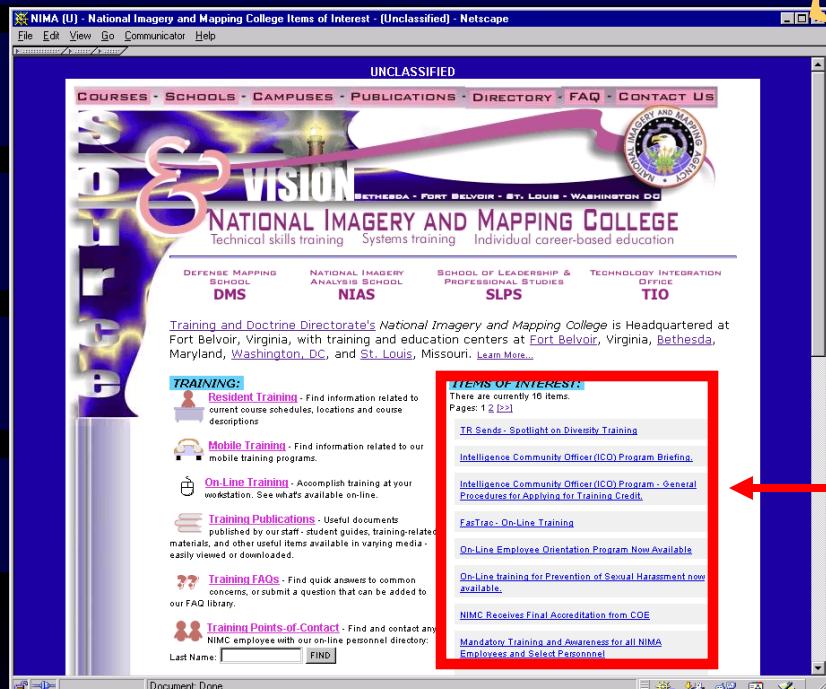
NIMA College (NIMC)

Top menu - provides navigation to site's main features

Titles, labels and seals provide navigation to related information pages



Preview of NIMC Web Sites



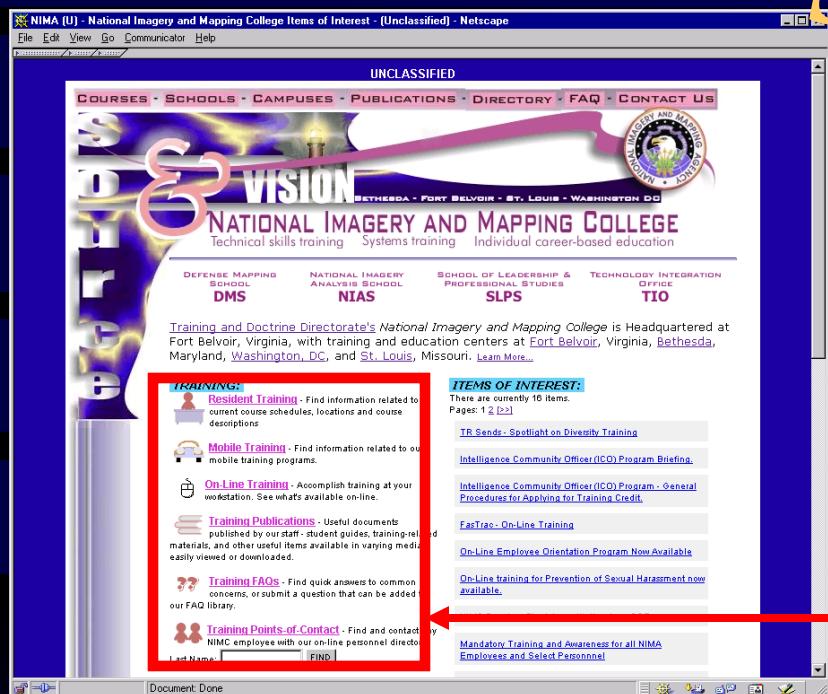
NIMA College (NIMC)

Top menu - provides navigation to site's main features

Titles, labels and seals provide navigation to related information pages

"Dynamic" information, gleaned from on-line database.

Preview of NIMC Web Sites



NIMA College (NIMC)

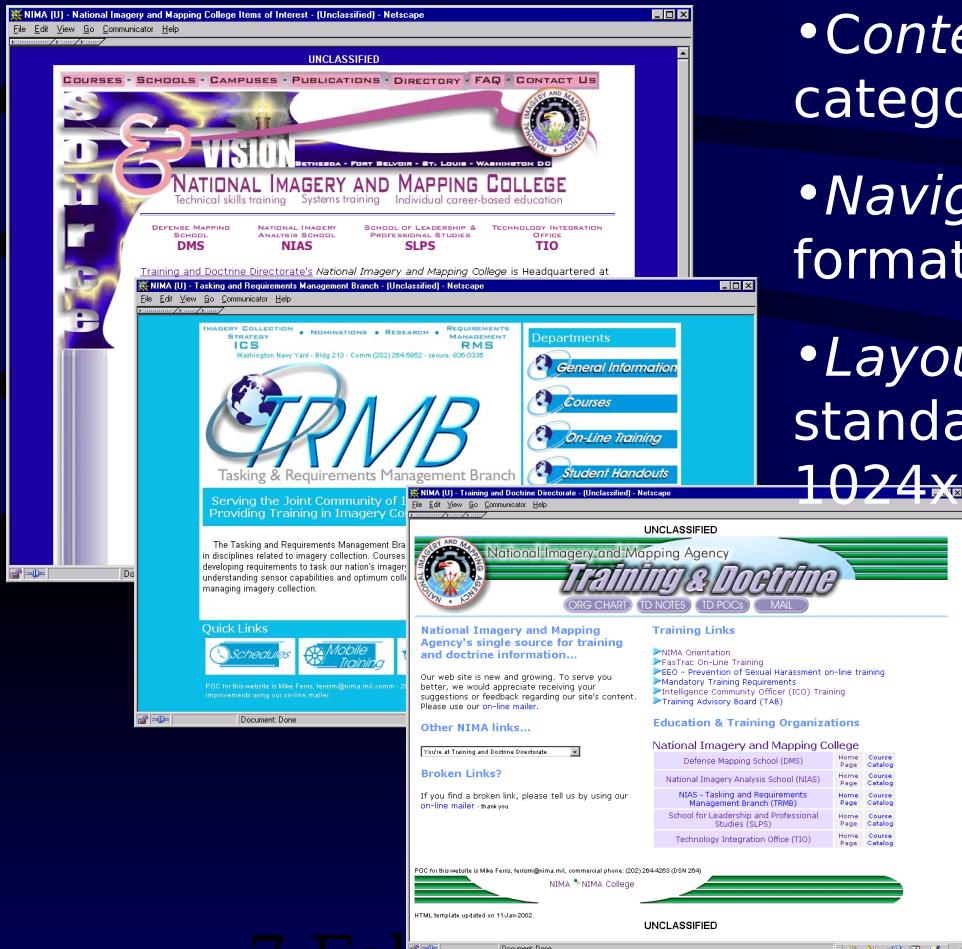
Top menu - provides navigation to site's main features

Titles, labels and seals provide navigation to related information pages

"Dynamic" information, gleaned from on-line database.

Redundant links to site's main features - alternate means of identifying for the user "places to go."

Common Design Elements



- Content is organized into categories.
- Navigation provided via multiple formats (icon, text, menu bars).
- Layout designed to "fit" within a standard screen resolution of 1024x768.
Single data source dynamically creates relevant pages on each site.
- Each conforms to NIMA style-guide standards

NIMC Web

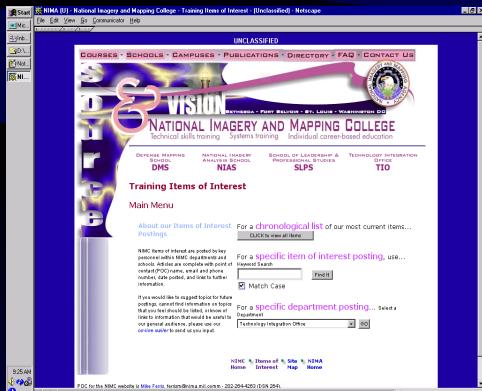
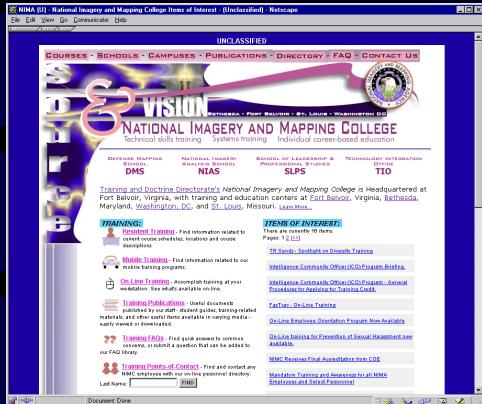
NIMC Web - Part IV

DATABASE HIGHLIGHT

Database Highlight

(Items of Interest (IOI) database)

Home Page View



IOI Main Menu View

7-Feb-
2001

- Designated users can post, modify, and delete IOI postings
- "Newest" posting always displayed at top of list
- List can display all postings, or only those with active dates beyond "today."
- Once posted, IOI article appears on all "connected" NIMC-sponsored web sites, tailored to web-site's appearance.
- Each TD/NIMC organization can request access privileges for posting articles.

NIMC Web
Planning

NIMC Web

Bottom Line - Part IV

- Post timely information **easily**; easily modified and instantly updated if changes occur.
- IOI postings are **automatically** ported to all other NIMC-sponsored web sites (multiple coverage for your programs, events, and activities).
- To gain access, contact NIMC web POC.

NIMC Web

Next Meeting...

- Tentative - 14 Mar 2002
- Location - TBD
- Tentative Topics:
 - *NIMA Web Style Guide and all it entails*
 - *Web terminology and techniques*
 - *Tips and tools to author your own web pages*
 - *Net Meeting - expand its use here?*
 - *Web site improvements, expansions, and ...?*

